

Principal Scientist

Summary

Mr. McIver has more than 17 years of experience in the environmental services field. He is a certified environmental manager in the state of Nevada and a qualified person in the State of Alaska. He has served as project manager for numerous sites of a well-known fuel corporation. His work experience includes groundwater monitoring, site assessments, operations and maintenance of remedial systems, remedial system design and installation, and remedial pilot studies design and implementation. He background includes operations and maintenance for groundwater and soil treatment systems, including granular activated carbon and ultraviolet oxidation/reduction systems. He has managed various types of projects, including groundwater monitoring, site assessments, operations and maintenance of remedial systems, remedial system design and installation, and remedial pilot studies design and implementation.

His background includes having served as a quality assurance/quality control officer and designated health and safety officer for field activities in which he performed operations and maintenance for groundwater and soil treatment systems, including granular activated carbon and ultraviolet oxidation/reduction systems. He has also acted as a project manager for sites requiring the construction and operation and maintenance of a drinking water well-head treatment system and soil vapor extraction systems with thermal, catalytic, and carbon adsorption treatment.

Project Experience

- Former Dry Facility, Redding, California. Project Manager for site characterization and remedial actions conducted at dry cleaners with subsurface impact of chlorinated VOCs. Mr. McIver's responsibilities include the implementation and coordination of monitoring well installation and monitoring programs, utility surveys, public liaison, down gradient sensitive receptor surveys, soil vapor surveys, human health screening level risk evaluation, remedial system design and implementation, in-situ treatment under a WDR permit and RWQCB closure negotiations. Remediation has successfully reduced VOCs by 99% and the site is currently eligible for closure, pending public comment period.
- Former Chemical Facility, Morgan Hill, California. Successfully negotiated long term monitored nature attention of TCE impact to groundwater at a manufacturing facility where investigation and remediation has occurred for over 20.
- Former Dry Cleaning Facility, Merced, California. Completed site characterization, designed monitoring network, identified impediments to Site closure, and installation of a soil vapor extraction system at a former dry cleaner site with VOC impact to soil and groundwater.
- Pyrotechnic Facility, Lone, California. Project manager for a pyrotechnic facility with perchlorate contamination under DTSC regulatory oversight.
- Former Dry Cleaning Facility, Folsom, California. Project Manager for site investigation, design and implementation of a remedial approach, and RWQCB negotiations.
- Former Dry Cleaning Facility, Fairfield, California. Project Manager for source investigation of a former dry cleaning facility that is involved with a multiple party lawsuit regarding a comingled plume.
- Former Dry Cleaning Facility, Oakland, California. Provided fixed cost estimate to support a multiple party settlement. RWQCB negotiations regarding data gaps, design of monitoring well network, and remedial approach. Project manager during the complete site characterization which included monitoring points within City of Oakland right away, adjacent to utilities, and on private property within small alleyways.
- Former Dry Cleaning Facility, Fresno, California. Project manager during source investigation and provided support during a multiple party dispute.
- Former Chemical Facility, Daly City, California. Project management during the site investigation and development of the remedial action plan for the Site. Mr. McIver reviewed historical Site data and prepared a workplan to address impediments to Site closure.

Project Experience (Continued)

- Former Chemical Facility, Belmont, California. Provided technical support during multiple party dispute and project management during site investigation activities. Identified potential responsible parties and facilitated cost sharing between the parties.
- Former UST Facility, Gustine, California. Project Management for the lateral and vertical characterization of petroleum hydrocarbon impact, evaluation of sensitive receptors, development of a remedial action plan. Expedited the installation of an air sparge system that included installation of over 60 sparge points and associated piping to facilitate budget funding from the County of Merced.
- Managed the Northern California EAR account portfolio for the Department of Government Services under the direct managed of the RWQCB.
- Managed the California portfolio of a well-known fuel corporation at an international environmental consulting firm. Responsible for the career development and utilization of over five staff professionals who conducted site assessments, groundwater monitoring and sampling, remedial system design and installation and operation and maintenance and compliance sampling of soil and groundwater remediation systems.
- Conducted environmental investigations and remediation construction activities at former and active bulk fuel terminal facilities in California. Activities included the expedited design, construction, and operation of groundwater oxygenation systems. Coordinated and supervised the construction and operation of groundwater extraction systems with air stripping, biological, and carbon adsorption treatment.
- Project scientist for environmental investigations conducted at a former municipal landfill dump with subsurface impact of soil and groundwater with VOCs and chromium. The work completed includes the installation of a multi-horizon monitoring network (vacuum lysimeters, piezometers, and monitoring wells), mapping the geological and structural environment and the development of a comprehensive site model. Based on the results of this work, an Interim Remedial Action (IRA) has been designed and implemented to mitigate hexavalent chromium impact to sensitive receptors.
- Served as Quality Assurance/Quality Control Officer and Designated Health and Safety Officer for field activities for a previous employer. Performed operations and maintenance for groundwater and soil treatment systems, including granular activated carbon and ultraviolet oxidation/reduction systems.
- Served as office manager for an international environmental consulting firm while coordinating remediation system operations and maintenance, and routine monitoring and sampling activities at a former army military base. His responsibilities included the management of three Army Corps of Engineers groundwater treatment plants with a total flow rate in excess of 1,000 gallons a minute, one soil vapor extraction system, routine monitoring and sampling of an extensive monitoring well network (over 200 monitoring wells), coordination with Army Corps of Engineers and BRAC office personnel, and other miscellaneous investigative activities.
- Conducted Phase I Due Diligence and Transaction Screens at various facilities (active chemical production facility, former petroleum stations, and other semi-industrial facilities) throughout Northern California.

Education

B.A., Environmental Studies, University of California, Santa Cruz, 1999

Registrations/Certifications

40-Hour OSHA HAZWOPER Safety Training

8-Hour OSHA HAZWOPER Refresher/Respirator Fit Test

8-Hour OSHA Site Supervisor Certification

Registrations/Certifications (Continued)

First Aid/CPR Training

Certified Grade 1 Water Treatment Operator, 2000

Alaska Department of Conservation Qualified Person (ADEC), 2001

California State Risk Assessment Seminar, 2001

Certified Environmental Manager State of Nevada, 2004

Professional Membership

Groundwater Resources Association